April 3, 2002

PRELIMINARY AMENDMENT
Patent Application
Docket No. FSU-100C2XC1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : John L. Teem

Docket No. : FSU-100C2XC1

For : Materials and Methods for Detecting Interaction of CFTR Polypeptides

Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

It is respectfully requested that the above-identified patent application be amended as follows:

In the Specification

Please substitute the following paragraph on page 15, beginning at line 14:

First, a DNA fragment containing CFTR amino acids T351-S492 was produced using pSwick-BXWT plasmid DNA as template and the primers PRNBD1-R1 (5'-CGCGGAATTCACTCGGCAATTTCCC-3') (SEQ ID NO:1) and PRNBD1-PST (5'-GCGCCTGCAGTTAAGAACAGAATGAAAT-3') (SEQ ID NO:2) in the polymerase chain reaction (PCR). The resulting 449 bp DNA fragment contained an Eco R1 restriction endonuclease site preceding the CFTR amino acid T351 and a Pst I site following CFTR amino acid S492. The fragment was restricted with EcoR1 and Pst I restriction endonucleases, and ligated into the unique Eco RI and Pst I restriction sites within pAD-GAL4 to produce pADPRNBD1 in which CFTR amino acids T351-S492 are joined in frame to the pAD-GAL4 transcription activation domain. A second GAL4-CFTR fusion plasmid was constructed in which a 951 bp HpaI-TaqI DNA fragment from pSwick-BXWT (containing CFTR amino acids R334-F650, and with the ends of the fragment made blunt by klenow fragment) was purified from an agarose gel and ligated into the Sma I site of plasmid pBDGAL4 to produce PBD-N. The pBD-N plasmid DNA was then cut with Eco RI and Bam HI and the vector molecule purified from an agarose gel. The purified Eco RI-Bam HI pBD-N